

## AUTHOR INDEX

Ahuja, L.R., *see* Rousseva, S.S. et al.

Baker, C.J., *see* Choudhary, M.A. et al.

Bernasor, P.C. and De Datta, S.K. (Manila, Los Baños, Philippines)

- Long-term effects of tillage, cultivar and herbicide on weed shift and control in broadcast-seeded flooded rice ..... 197

Blackwell, J., *see* Jayawardane, N.S. et al.

Blackwell, P.S., *see* Jayawardane, N.S. et al.

Boschi, V., *see* Chisci, G. and Boschi, V.

Carter, M.R. (Charlottetown, P.E.I., Canada)

- Temporal variability of soil macroporosity in a fine sandy loam under mouldboard ploughing and direct drilling ..... 37

Carter, M.R., Johnston, H.W. and Kimpinski, J. (Charlottetown, P.E.I., Canada)

- Direct drilling and soil loosening for spring cereals on a fine sandy loam in Atlantic Canada ..... 365

Carter, M.R., *see* Kunelius, H.T. et al.

Chisci, G. and Boschi, V. (Palermo, Italy)

- Runoff and erosion control with hill farming in the sub-coastal Apennines climate ..... 105

Choudhary, M.A., Baker, C.J. (Palmerston North, New Zealand) and Stiefel, W. (Bulls, New Zealand)

- Dry fertilizer placement in direct drilling ..... 213

Collins, J.F., *see* Larney, F.J. et al.

De Datta, S.K., *see* Bernasor, P.C. and De Datta, S.K.

- see* Sharma, P.K. et al.

Fortune, R.A., *see* Larney, F.J. et al.

Groffman, P.M., *see* Hendrix, P.F. et al.

Hadas, A., Book Review of *Interactions in Soil, Interactions of Soil Minerals with Natural Organics and Microbes*. Vol. 12 by P.M. Huang and M. Schnitzer (Editors) ..... 97

Book Review of *Soil Science, Introduction to the Principles and Practices of Soil Science*. Vol. 12 by R.H. White ..... 96

Han, C.-R., *see* Hendrix, P.F. et al.

Heathman, G.C., *see* Rousseva, S.S. et al.

Hendrix, P.F., Han, C.-R. and Groffman, P.M. (Athens, GA, U.S.A.)

- Soil respiration in conventional and no-tillage agroecosystems under different winter cover crop rotations ..... 135

Hermans, J.C., *see* Riddell, K.M. et al.

Heshaam, A.A., *see* McSweeney, K. et al.

Hilfiker, R.E. and Lowery, B. (Madison, WI, U.S.A.)

- Effect of conservation tillage systems on corn root growth ..... 269

Hons, F.M., *see* Locke, M.A. and Hons, F.M.

Hoogmoed, W.B., Book Review of *Agricultural Implements, Les instruments aratoires en Afrique tropicale; La fonction et le signe*, Vol. 12 by C. Seignobos and J. Peltre-Wurtz (Editors) ..... 94

Jayawardane, N.S., Blackwell, J. (Griffith, N.S.W., Australia) and Blackwell, P.S. (Canberra, A.C.T., Australia)

- Fragment size distribution within slots created in a duplex soil by a prototype rotary slotted ..... 53

Johnson, H.W., <i>see Carter, M.R. et al.</i>	
Kimpinski, J. <i>see Carter, M.R. et al.</i>	
<i>see Kunelius, H.T. et al.</i>	
Klepper, B.L., <i>see Wilkins, D.E. et al.</i>	
Koolen, A.J., <i>see Tijink, F.G.J. et al.</i>	
Kunelius, H.T., Carter, M.R., Kimpinski, J. and Sanderson, J.B. (Charlottetown, P.E.I., Canada)	
Effect of seeding method on alfalfa and red clover establishment and growth, soil physical condition and nematode populations .....	163
Larney, F.J., Fortune, R.A. (Carlow, Ireland) and Collins, J.F. (Dublin, Ireland)	
Intrinsic soil physical parameters influencing intensity of cultivation procedures for sugar beet seedbed preparation .....	253
Lawson, D., <i>see Sallaway, M.M. et al.</i>	
Lemasters, G., <i>see McSweeney, K. et al.</i>	
Lerink, P., <i>see Tijink, F.G.J. et al.</i>	
Locke, M.A. and Hons, F.M. (College Station, TX, U.S.A.)	
Effect of N rate and tillage on yield, N accumulation and leaf N concentration of grain sorghum .....	223
Lowery, B., <i>see Hilfiker, R.E. and Lowery, B.</i>	
McSweeney, K., Hesham, A.A., LeMasters, G. (Madison, WI, U.S.A.) and Norton L.D. (Lafayette, IN, U.S.A.)	
Micromorphological and selected physical properties of a moldboard-plowed soil with and without residue cover .....	301
Müller, L. (Müncheberg, G.D.R.)	
Efficiency of subsoiling and subsurface drainage in heavy alluvial soils of the G.D.R. ....	121
Nakamura, Y. (Ibaraki, Japan)	
The effect of soil management on the soil faunal makeup of a cropped andosol in central Japan .....	177
Nnabude, P.C., <i>see Obi, M.E. and Nnabude, P.C.</i>	
Norton, L.D., <i>see McSweeney, K. et al.</i>	
Obi, M.E. and Nnabude, P.C. (Anambra State, Nigeria)	
The effects of different management practices on the physical properties of a sandy loam in southern Nigeria .....	81
Onofiock, O.E. (Nsukka, Nigeria)	
Spatial and temporal variability of some soil physical properties following tillage of a Nigerian paleustult .....	285
Pagliai, M. <i>see Painuli, D.K. et al.</i>	
Painuli, D.K., Woodhead, T. (Manila, Philippines) and Pagliai, M. (Pisa, Italy)	
Effective use of energy and water in rice-soil puddling .....	149
Pimentel, D., Book Review of <i>Erosion, Anatomy, and Physiology and Psychology of Erosion Vol. 12</i> by E.G. Hallsworth .....	91
Rasmussen, P.E., <i>see Wilkins, D.E. et al.</i>	
Redulla, C.A., <i>see Sharma, P.K. et al.</i>	
Riddell, K.M., G.R. Webster, and J.C. Hermans (Edmonton, Alb., Canada)	
Effects of deep ripping on chemical and physical properties of a Solonetzic soil in east central Alberta .....	1
Rousseva, S.S., Ahuja, L.R. and Heathman, G.C. (Durant, OK, U.S.A.)	
Use of a surface gamma-neutron gauge for in situ measurement of changes in bulk density of the tilled zone .....	235
Sallaway, M.M. (Bundaberg, Qld., Australia), Lawson, D. (Emerald, Qld., Australia) and Yule, D.F. (Rockhampton, Qld., Australia)	
Ground cover during fallow from wheat, sorghum and sunflower stubble under three tillage practices in Central Queensland .....	347

Sanderson, J.B., <i>see</i> Kunelius, H.T. et al.	
Sharma, P.K., De Datta, S.K. and Redulla, C.A. (Manila, Philippines)	
Response of maize ( <i>Zea mays</i> L.) and mungbean ( <i>Vigna radiata</i> L.) to tillage in relation to water table depth in tropical lowland rice soils .....	65
Sisson, J.B., <i>see</i> Sweeney, D.W. and Sisson, J.B.	
Stiefel, W. <i>see</i> Choudhary, M.A. et al.	
Sweeney, D.W. (Parsons, KS, U.S.A.) and Sisson, J.B. (Manhattan, KS, U.S.A.)	
Effect of ridge planting and N-application methods on wheat grown in somewhat poorly drained soils .....	187
Tijink, F.G.J., Lerink, P. and Koolen, A.J. (Wageningen, The Netherlands)	
Summation of shear deformation in stream tubes in soil under a moving tyre .....	323
Touchton, J.T., <i>see</i> Yoo, K.H. et al.	
Van de Weg, R.F., Book Review of <i>Kenyan Soils, Soils of the Kilifi Area, Kenya Vol. 12</i> by H.W. Boxem, T. de Meester and F.M.A. Smaling (Editors) .....	93
Walker, R.H., <i>see</i> Yoo, K.H. et al.	
Webster, G.R., <i>see</i> Riddell et al.	
Wilkins, D.E., Klepper, B.L. and Rasmussen, P.E. (Pendleton, OR, U.S.A.)	
Management of grain stubble for conservation-tillage systems .....	25
Woodhead, T., <i>see</i> Painuli, D.K. et al.	
Yoo, K.H., Touchton, J.T. and Walker, R.H. (Auburn, AL, U.S.A.)	
Runoff, sediment and nutrient losses from various tillage systems of cotton .....	13
Yule, D.F., <i>see</i> Sallaway, M.M. et al.	